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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,911	10/06/2003	Limin Wang	D03050	3818

43471 7590 04/14/2009

Motorola, Inc.
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EXAMINER

CZEKAJ, DAVID J

ART UNIT

PAPER NUMBER

2621

NOTIFICATION DATE

DELIVERY MODE

04/14/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.US@motorola.com

Notice of Allowability	Application No.	Applicant(s)	
	10/679,911	WANG ET AL.	
	Examiner	Art Unit	
	DAVID CZEKAJ	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/9/08.
2. ☒ The allowed claim(s) is/are 1, 4-9, 19, 22-28, 31-32, 34-37, 40-61, 64-80, and 110-116 renumbered as 1-67.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

/Dave Czekaj/
Primary Examiner, Art Unit 2621

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jung Kim on 1/28/09.

The application has been amended as follows:

In the claims

In claim 1, line 20,

Replace "sequentially scanning" with - - performing encoding of the digital video content by sequentially scanning - -

In claim 5

Replace "m6" with - - m = 6 - -

In claim 19

Replace "assigns a scanning order = 1 for a two dimensional array frequency coefficient located at n=O and m=O" with - - assigns a scanning order = 1 for a two dimensional array frequency coefficient located at n = 0 and m = 1 - -

In claim 23

Replace "n3" with - - n = 3 - -

In claim 25

Replace "m1" with - - m = 1 - -

Replace "n1" with - - n = 1 - -

In claim 27

Replace "m2" with - - m = 2 - -

Replace "m1" with - - m = 1 - -

Replace "n4" with - - n = 4 - -

Replace "assigns a scanning order = 7 for a two dimensional array frequency coefficient located at m=2" with - - assigns a scanning order = 7 for a two dimensional array frequency coefficient located at n = 1 and m = 2 - -

Replace "assigns a scanning order = 8 for a two dimensional array frequency coefficient located at m=0" with - - assigns a scanning order = 8 for a two dimensional array frequency coefficient located at n = 2 and m = 0 - -

In claim 28

Replace "m0" with - - m = 0 - -

Replace "m3" with - - m = 3 - -

In claim 32

Replace "p9" with - - p = 9 - -

Replace "m5" with - - m = 5 - -

In claim 36

Replace "m7" with - - m = 7 - -

In claim 45

Replace "n1" with - - n = 1 - -

In claim 46

Replace "m3" with - - m = 3 - -

In claim 48

Replace "m0" with - - m = 0 - -

In claim 49

Replace "p-23" with - - p = 23 - -

Replace "n1" with - - n = 1 - -

In claim 51

Replace "p1 8" with - - p = 18 - -

Replace "m7" with - - m = 7 - -

In claim 53 on page 63

Replace "p = 0" with - - p = 10 - -

In claim 54

Replace "p-3S" with - - p = 35 - -

On page 68, Replace "p = 41" with - - p = 46 - -

Replace "n6" with - - n = 6 - -

In claim 56

Replace "n5" with - - n = 5 - -

In claim 57

Replace "m1" with - - m = 1 - -

Replace "n3" with - - n = 3 - -

In claim 58

Replace "m6" with - - m = 6 - -

Replace "arid" with - - and - -

In claim 59

Replace "m0" with - - m = 0 - -

In claim 60

Replace "n0" with - - n = 0 - -

Replace "m6" with - - m = 6 - -

Replace "m3" with - - m = 3 - -

In claim 61

Replace "an = 0" with - - at n = 0 - -

In claim 64

Replace "m2" with - - m = 2 - -

In claim 68

Replace "n2" with - - n = 2 - -

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Nishi (RE39,318) discloses an image processing method (Nishi: column 1, lines 12-15). This apparatus comprises "encoding digital video content comprising a stream of pictures which can each be intra, predicted, or bi-predicted in the form of blocks of pixels forming a two dimensional array of two dimensional array frequency coefficients, the method comprising scanning the two dimensional array frequency coefficients from each of the blocks in a manner that is vertically biased and producing a one dimensional array of frequency

coefficients” (Nishi: figure 1; figure 31c; column 49, lines 55-58, wherein the vertically biased is the vertical priority). However, this apparatus lacks the particular scanning order as claimed. A further search was conducted which failed to yield any prior art. Therefore, the prior art fails to teach or render obvious these limitations taken within the others in the claim

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID CZEKAJ whose telephone number is (571)272-7327. The examiner can normally be reached on Mon-Thurs and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dave Czekaj/
Primary Examiner, Art Unit 2621